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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/050,061	01/15/2002	Toren S. Davis	H0002526 (A66) US	1119
75	90 07/17/2006		EXAM	INER
Honeywell International Inc.			TORRES, MELANIE	
Law Dept. AB2 PO Box 2245			ART UNIT	PAPER NUMBER
Morristown, NJ 07962-9806			3683	
			DATE MAILED: 07/17/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

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3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
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epted or b) objected to frawing(s) be held in abeyan on is required if the drawing	ce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121(d).				
have been received. have been received in A ity documents have been (PCT Rule 17.2(a)).	pplication No received in this National Stage				
Paper No(s 5) Notice of Ir)/Mail Date Iformal Patent Application (PTO-152)				
	action is non-final. Ince except for formal matter is parte Quayle, 1935 C.D. Is application. In from consideration. In election requirement. In	to be except for formal matters, prosecution as to the merits is a parte Quayle, 1935 C.D. 11, 453 O.G. 213. The application of the property of the examiner of the property of the drawing (s) is objected to by the Examiner of the drawing (s) is objected to the drawing (s) is objected to the extraction of the attached Office Action or form PTO-152. The priority under 35 U.S.C. § 119(a)-(d) or (f). The priority drawing the property of the property of the priority under 35 U.S.C. § 119(a)-(d) or (f). The priority drawn of the priority of the property of the priority under 35 U.S.C. § 119(a)-(d) or (f). The priority drawn of the priority of the priority under 35 U.S.C. § 119(a)-(d) or (f). The priority drawn of the priority of the priority under 35 U.S.C. § 119(a)-(d) or (f). The priority drawn of the priority of the priority under 35 U.S.C. § 119(a)-(d) or (f). The priority drawn of the priority of the priority under 35 U.S.C. § 119(a)-(d) or (f).			

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DETAILED ACTION

1. The following rejection is applied based upon reconsideration of the rejections and recommendations cited in the Decision on Appeal from the Board of Appeals (04/21/2006).

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 5, 7, 8, 10, 12 and 13 rejected under 35 U.S.C. 103(a) as being unpatentable over Griffen et al. in view of Cunningham et al.

Re claims 5, 7, 8, 10, 12 and 13, Griffen et al. teach a tuned mass damper comprising a mass having predetermined inertia properties and a plurality of isolators (hexapod/secondary suspension) arranged in a hexapod configuration, each isolator having at least a first end and a second end, each isolator first end coupled to the mass (Secondary mass) and each isolator second end adapted to couple to a structure (Primary Mass or Payload) that may experience vibrations at particular frequencies in six independent degrees of freedom, wherein each of the isolators in combination with the mass, is configured to be tuned independent of the other isolators to reduce a first particular frequency of the vibrations experienced by the structure (Fig. 9, Column 1, line 67 – Column 2, line 9, Column 7, lines 18-21) and wherein each isolator second end is adapted to couple the structure at a predetermined location thereon. However, Griffen et al. do not teach wherein each isolator comprises a spring having an adjustable spring

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constant, and wherein each isolator is individually tuned by adjusting its spring constant and the predetermined location on the structure to which its second end will couple or wherein the isolators are configured to be tuned. Cunningham et al. teaches wherein each isolator comprises a spring having an adjustable spring constant, and wherein each isolator is individually tuned by adjusting its spring constant and the predetermined location on the structure to which its second end will couple as is acknowledged by applicant on page 2, lines 17-21. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have tuned and adjusted each isolator to provide the desired vibration isolation in six degrees of freedom or the required amount of damping. (Cunningham, Column 8, lines 43-43)

4. Claims 9 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Griffen et al. in view of Cunningham et al. and further in view of Gran et al.

Re claim 9, Griffin et al. does not teach wherein the isolators comprise tubular damping struts with first and second spherical pivots at opposite ends of the tubular damping strut. Gran et al. teaches isolators comprise tubular damping struts (6) with first and second spherical pivots at opposite ends of the tubular damping strut in a hexapod configuration. (Fig. 2, 6) The examiner takes official notice that it would have been obvious to one of ordinary skill in the art at the time the invention was made to have used the isolators and pivots of Gran et al. in the assembly of Griffin et al. as the use of damping struts and pivots is well known in hexapod assemblies.

Conclusion

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have used the isolators and pivots of Gran et al. in the assembly of Griffin et al. as the use of damping struts and pivots is well known in hexapod assemblies.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melanie Torres whose telephone number is (571)272-7127. The examiner can normally be reached on Monday, 6:00 AM - 4:30 PM and Tuesday, 6:00 AM – 12:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James McClellan can be reached on (571)272-6786. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MT 7/10/06 Melanie Torres

Primary Examiner

7/10/06